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TI Continuous and noncatalytic process for the production of N-methylpyrrolidone from gamma-butyrolactone and mixed methylamines

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BE 1012946 A6 20010605 BE 1999-702 19991027

BR 2000014993 A 20020618 BR 2000-14993 20001025

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AB A process is described for the prodn. of N-methylpyrrolidone in high yield and selectivity using gamma-butyrolactone and mixed methylamines as starting materials in a continuous process. Process flow diagrams are presented.

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DT Patent

LA English

RE

(1) Mitsubishi Kasei Corp; Preparation of N-methyl-2-pyrrolidone from .gamma.butyrolactone

and monomethylamine; JP 01190667 A 1989 CAPLUS

- (2) Pantochim Sa; Noncatalytic continuous process for the manufacture of N-methylpyrrolidone from .gamma.-butyrolactone and methylamine; WO 9952867 A 1999 CAPLUS
- (3) Teijin Ltd; N-Methyl-.alpha.-pyrrolidone; JP 72018751 A 1972 CAPLUS